

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

- My residence, post office address and citizenship are as stated below next to my name.
- I believe I am an original, first and sole Inventor of the subject matter which is claimed and for which a patent is sought on the Invention entitled "TOOTHBRUSH", the specification of which

[ X ] is attached hereto

[ ] was filed on as

[ ] United States Application Number

[ ] PCT International Application Number

[ ] was amended on

- I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims and the drawing.
- I acknowledge the duty to disclose information which is material to patentability, as defined in 37 CFR §1.56. If this application claims priority from a prior application, I acknowledge the duty to disclose information which is material to patentability, as defined 37 CFR §1.56, which became available between the filing date of the prior application and the date of this application.
- As to the subject matter of this application:
  - a. I do not know and do not believe that the same was ever known or used in the United States of America before my invention thereof;
  - b. I do not know and do not believe that the same was ever patented or described in any printed publication in any country before my invention thereof, or more than one year prior to the date of this application;
  - c. I do not know and do not believe that the same was in public use or on sale in the United States of America more than one year prior to the date of this application; and
  - d. Said subject matter has not been patented or made the subject of an inventor's certificate issued in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months prior to the date of this application.

Please associate this application with USPTO Customer Number 020808

I hereby appoint the registered attorneys and agents associated with USPTO Customer Number 020808 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

- Address all telephone calls to Meghan VanLeeuwen at telephone number 607-256-2000.
- Fax communications should be sent to telephone number 607-256-3628.

"Recognizing that Internet communications are not secured, I hereby authorize the PTO to communicate with me concerning any subject matter of this application by electronic mail. I understand that a copy of these communications will be made of record in the application file"

- E-mail communications should be addressed to: vanleeuwen@bpmlegal.com.
- Address all correspondence to USPTO Customer Number 020808.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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11. 05. 01  
Date

conditions. The handle has a general elongated shape that is preferably slightly elliptical. In a preferred embodiment, each thumb grip area has a layer of soft non-slip material covering it.

In a preferred embodiment, the bundles of bristles are arranged at 90 degrees to each other. The two diametrically opposed sets of bristles serve dual purposes, depending on the direction of movement or brushing. When the general motion of the brush is perpendicular to the long axis of the bristle, there is a cleaning action. However, if the motion is parallel to the axis then a massaging action is being carried out on the gums. In this configuration, one set of bristles is always cleaning the teeth while the adjacent set is massaging the teeth.

In another embodiment, the bristles are more resilient and rigid than conventional soft and medium bristles. This ensures that the flat working portion of the bristle does not give in and bend too much while brushing.

#### BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1A shows a single bristle bent into the functional shape of the bristle in an embodiment of the invention.

Fig. 1B shows a grouping of the bristles shown in Fig. 1A, in a working bristle section in an embodiment of the invention.

Fig. 2A shows a cross-section of a triangular bristle shape in an embodiment of the present invention.

Fig. 2B shows a cross-section of a square bristle shape in an embodiment of the present invention.

Fig. 2C shows a cross-section of a pentagonal bristle shape in an embodiment of the present invention.

Fig. 2D shows a cross-section of a hexagonal bristle shape in an embodiment of the present invention.